May 14, 2015

MEMORANDUM FOR:    Distribution Email

FROM:    Chris Caruso Magee
    Configuration Manager, NCEP Central Operations

SUBJECT:    Scheduled Operational Changes and Upgrades for CPC, OPC, and WPC


The following accelerated items were implemented this past week:

RFC #306 – Installed a new perl module to fix a problem that appeared in OPC's calculate_sunrise.pl script.  Implemented on May 8 at 2000Z. (OPC)


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The following will be implemented the week of May 18, 2015:

RFC #307 – Removing 2 old web feedback pages, and updating the Top News archive page to remove the URL which links to these old pages.  To be implemented on May 19 at 1130Z.  (OPC)

RFC #308 – Modify the OPC cleanup routine to remove NASA SpoRT (Short-term Prediction Research and Transition Center) snowfall rate files older than 2.5 days.  To be implemented on May 19 at 1130Z.  (OPC)

RFC #309 – Remove production and transmission of NOAA Climate Services Portal (NCSP) graphics from operational jobs, since these graphics are no longer being used.  To be implemented on May 19 at 1200Z.  (CPC)

RFC #310 -- Increase logging within the Extended Range Forecast (ERF) auto-forecast to include more detail and provide individual logs for each sub-process.  Also, add logic to a script, enhancing the criteria used to choose when the analogs are recalculated, making them depend entirely upon the height field submissions.   To be implemented on May 19 at 1200Z.  (CPC)

RFC #311 – Update the National Blend retrieval script to remove the pulling of the National Blend data from the development WCOSS machine.  This data will now be pushed from the dev WCOSS machine to the Compute Farm.  To be implemented on May 19 at 1200Z.  (WPC)


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The following NCO RFC(s) will be implemented the week of May 18, 2015 and directly affect the local Centers:

RFC #905 – Deploy the CPC database to the operational PostgreSQL server. To be implemented on May 19 at 1200Z (rescheduled from May 12 due to CWD status for Typhoon Dolphin).

RFC #907 – Split the WPC Archive rsync to the WOC into its own sync process, to allow the non-operational http content rsync to finish faster.  This optimizes content rsyncs, as opposed to just raising thresholds in Big Brother.  To be implemented on May 19 at 1300Z (rescheduled from May 12 due to CWD status for Typhoon Dolphin).

RFC #909 - LSF v9.1.2 – Change to LSF project code check so that only the nwprod account may use the "-OPS" project code, and remove most of the "-MTN" project codes (non-EMC "-MTN" codes will remain as is).  To be implemented on May 19 at 1400Z (rescheduled from May 12 due to CWD status for Typhoon Dolphin).

RFC #919 – Bind v9.3 – Configure and enable the name server caching daemon (NSCD) on the operational OPC RHEL6 servers to mitigate occasional DNS timeouts.  To be implemented on May 18 at 1100Z.

RFC #923 – NAM/DGEX SMARTINIT v3.3.3 – Upgrade the NAM/DGEX smartinit to add the Haines Index fire weather product to the NAM and DGEX CONUS and Alaska DNG grids for transmittal through AWIPS.  To be implemented on May 18 at 1200Z.

RFC #924 – ETSS v2.0.6 – Upgrade of the ExtraTropical Storm Surge (ETSS) model.  For details, please see Technical Implementation Notice (TIN) 15-18 at: http://www.nws.noaa.gov/os/notification/tin15-18etss.htm .  To be implemented on May 19 at 1200Z.

RFC #931 – NCOSRV Dataflow v2.6.6 – Modify DBNet on NCOSRV to begin sending 12.5km RapidScat data to the 3 NWCWP AWIPS-II systems (NTBN, OPCN, and HPCN).  To be implemented on May 20 at 1200Z.

RFC #933 – WCOSS Dataflow v1.62.3, NCODF Dataflow v2.3.8 – Modify the Dataflow Mirror process to begin pulling NHC's ATCF data via NHC's ftp server to the Compute Farm, so that WPC may continue to provide backup capabilities to NHC.  To be implemented on May 20 at 1300Z.

RFC #934 – Allow NHC/TSB to access a FNMOC website from the NHC operational subnets.  This change may negatively impact others' ability to access the same FNMOC site via the Internet.  To be implemented on May 20 at 1400Z.

RFC #935 – NCOSRV Dataflow v2.6.7, WCOSS Dataflow v1.62.4 – Modify DBNet on NCOSRV and WCOSS to begin receiving Boundary Condition files from NHC/TAFB, for use in the Nearshore Wave Prediction System being tested on WCOSS.  To be implemented on May 21 at1200Z.

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Please note that security-related RFCs are never listed in the RFC memo.

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---- OPERATIONAL ANNOUNCEMENTS ----

1.      The CPC/OPC/WPC Configuration Management documents are available at  https://sites.google.com/a/noaa.gov/nws-ncep-nco-cm/.

Please review these documents if you have questions prior to submitting changes for CPC/OPC/WPC configurable items.